



MP Biomedicals, LLC

29525 Fountain Parkway
Solon, Ohio 44139

Telephone: 440/337-1200
Toll Free: 800/854-0530
Fax: 440/337-1180
mailto: biotech@mpbio.com
web: <http://www.mpbio.com>

TECHNICAL INFORMATION

cappel

Catalog Number: 55184

Fluorescein-Conjugated Goat F(ab')₂ Fragment To Human IgG Fc

DESCRIPTION: Product is the lyophilized powder of fluorescein-5-isothiocyanate (FITC "Isomer I")-conjugated goat F(ab')₂ fragment to human IgG Fc and buffer salts.

Antibody and FITC are conjugated under defined conditions to obtain the specified molar ratio (3-6 mol/mol). Conjugated protein is purified by gel filtration. The product is dialyzed into 0.02M sodium phosphate, 0.14M sodium chloride, pH 7.3, adjusted to standard titer, filtered through a 0.22 µm filter, vialled, and lyophilized.

USES: This product is suitable for use as a reagent in immunofluorescence assays (IFA), cell staining (fluorescent microscopy and cell sorting), tissue staining, and blot immunostaining. F(ab')₂ fragments are recommended for staining of cells or tissues which contain Fc receptors. (Note: Affinity purified antibodies are recommended to avoid non-specific binding from the inherent antibodies of host animals. See **Related Product Ordering Information** for these products.)

SPECIFICATIONS: The total protein is measured using the Biuret procedure with bovine albumin as the standard; F/P ratio is calculated using absorbance at 491.5nm. Antibody titer of the IgG fraction is standardized by equivalence-point precipitation. The F(ab')₂ fragments are tested for purity and specificity at a minimum of 20 mg/ml using immunoelectrophoresis. The product is goat F(ab')₂; no trace of albumin, whole molecule IgG or Fc is detected. This product shows reactivity to human Fc and IgG; cross-reactivity to other species may exist. Antibody activity to Fab, IgA, IgM, or non-immunoglobulin serum proteins is not present.

RECONSTITUTION: Reconstitute product with 2.0 ml of deionized or distilled water. Gentle swirling may be used to speed rehydration. Avoid vigorous shaking of the reconstituted material.

RELATED PRODUCT ORDERING INFORMATION:

Catalog #DescriptionSize

55095 GOAT ANTI-HUMAN IGG FC2ML

55014 IGG GOAT ANTI-HUMAN FC5ML

55053 F(AB')₂ GOAT ANTI-HUMAN IGG FC2ML

55071 AFF.PUR. GOAT ANTI-HUMAN IGG FC2MG

55911 PURIFIED HUMAN IGG FC10MG

55984 NORMAL GOAT SERUM2ML

Note: This product may contain a preservative such as sodium azide, thimerosal or proclin. Please see lot specific chemical credential for preservative information.

If a titer/working dilution is not given above, please click [here](#) to see a general dilution chart for working with antibodies. Please note that the general dilution chart should only be used as a guideline. Each lab should determine their own optimal working dilution.

Will this antibody work with your application? Please click [here](#) to see a general chart of antibody applications. Please note that any information given above is primary application data. The general applications charts should only be used as a reference.